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L1	1	(quantiz\$5 adj error) with dither	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 14:01
		quantized adj error	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 12:10
		quatized adj error and "analod-digital converter"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 12:10
		nakayama.in. and nec	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 12:08
		nakayama.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 12:08
		nakayama-kenji.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 14:17
L1	1	"09/926364"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 08:49
L2	3104	375/316	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:22

L3	176	(quantiz\$5 adj error) with reduction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 12:21
L4	4	2 and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 09:47
L5	8	(quantiz\$5 adj error) with reduction with (a/d adj converter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 09:52
L6	56	(quantiz\$5 adj error) with reduc\$4 with (a/d adj converter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:17
L7	5	(quantiz\$5 adj error) with reduc\$4 with (a/d adj converter) with adder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 09:54
L8	297	(quantiz\$5 adj error) with reduc\$4 and (a/d adj converter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:17
L9	106	(quantiz\$5 adj error) with reduc\$4 same (a/d adj converter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:18
L10	6	2 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:18

L11	77	(quantiz\$5 adj error) with reduc\$4 and (white adj noise)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:19
L12	2	(quantiz\$5 adj error) with reduc\$4 with (white adj noise)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:20
L13	12	(quantiz\$5 adj error) with reduc\$4 same (white adj noise)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:20
L14	1679	375/324	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:24
L15	3	14 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:26
L16	4	14 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:24
L17	2139	375/350	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:26
L18	7	17 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:27

L19	1681	375/343	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:26
L20	1	19 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:27
L21	3120	375/346	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:27
L22	2	21 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:27
L23	1316	375/147	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:27
L24	1	23 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:28
L25	597	455/130	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:28
L26	1	25 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:28

L27	703	455/334	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:28
L28	0	27 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:48
L29	13	bit adj reduction adj system	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:49
L30	521	kaneko-shinji.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:54
L31	279	kaneko-shinji.in. and sony	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:54
L32	0	kaneko-shinji.in. and sony and bit adj reductin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 10:55
L33	1	kaneko-shinji.in. and sony and bit adj reduction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 11:09
L34	1	"analog-digital converter shaping"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 11:09

L35	3958	"a/d conversion circuit"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 11:40
L36	2	35 and nihon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 11:40
L37	0	nihon-denki.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 11:40
L38	78	nihon.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 11:41
L39	80	(quantiz\$5 adj error) with dither	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 16:11
L40	1	(quantiz\$5 adj error) with (digital adj dither)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 14:02
L41	404	nakayama-kenji.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 14:17
L42	548235	nakayama-kenji.in. abd nec	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 14:17

L43	108	nakayama-kenji.in. and nec	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 14:17
L44	11478	nakayama-kenji.in. abd nec and quatized	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 14:18
L45	12843	nakayama-kenji.in. abd nec and quantized	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 14:18
L46	6	nakayama-kenji.in. and nec and quantized	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 14:18
L47	0	digital adj signal adj processo and suzuki	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 14:40
L48	1402	digital adj signal adj processor and suzuki	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 14:40
L49	145	digital adj signal adj processor and suzuki and sony	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 14:41
L50	215404	49 ans seisuke	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 14:41

L51	1	49 and seisuke	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 14:41
L52	16	"228152"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 15:43
L53	201295	Kenji.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 15:43
L54	0	Kenji-hashii.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 15:44
L55	4361	Kenji.in. and nec	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 15:44
L56	56	55 and a/d	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 15:44
L57	1	(quantiz\$5 adj error) with dither and (matched adj filter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 16:12
L58	2	(quantiz\$5 adj error) and ((low adj pass adj filter) or LPF) and dither and (matched adj filter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 16:15



L59	44	(quantiz\$5 adj error) and ((low adj pass adj filter) or LPF) and (matched adj filter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/05 16:16
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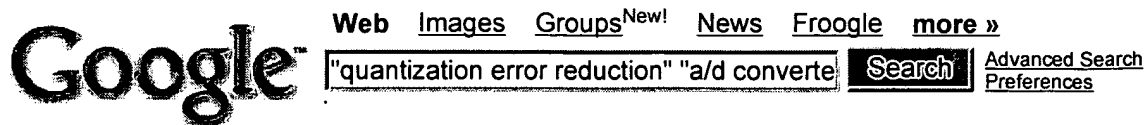
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*Kolev, N.P.; Tzvetkov, P.M.; Yordanova, S.T.;*

Instrumentation and Measurement Technology Conference, 1996. IMTC-96. Conference Proceedings. 'Quality Measurements: The Indispensable Bridge between Theory and Reality'. IEEE, Volume: 2, 1996  
Pages:881 - 883 vol.2

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**2 A new 2-D systolic digital filter architecture without global broadcast**

*Van, L.-D.;*

Very Large Scale Integration (VLSI) Systems, IEEE Transactions on, Volume: 10, Issue: 4, Aug. 2002  
Pages:477 - 486

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**3 On using the CAM concept for parametric curve extraction**

*Meribout, M.; Ogura, T.; Nakanishi, M.;*

Image Processing, IEEE Transactions on, Volume: 9, Issue: 12, Dec. 2000  
Pages:2126 - 2130

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**4 A fuzzy gradient-adaptive lossy predictive coding technique**

*El-Khamy, S.E.; El-Yamany, N.A.;*

Radio Science Conference, 2003. NRSC 2003. Proceedings of the Twentieth National, 18-20 March 2003  
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**5 Digital signal processing in continuous time: a possibility for avoiding**

**aliasing and reducing quantization error***Tsividis, Y.;*

Acoustics, Speech, and Signal Processing, 2004. Proceedings. (ICASSP '04). IEEE International Conference on , Volume: 2 , 17-21 May 2004

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**6 Real-time face detection in color video***Szu-Hao Huang; Shang-Hong Lai;*

Multimedia Modelling Conference, 2004. Proceedings. 10th International , 5-7 Jan. 2004

Pages:338 - 345

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**7 Sigma-delta modulators with interstage gain scaling***Zhongqiang Zheng; Chao, K.S.;*

Circuits and Systems, 2000. Proceedings of the 43rd IEEE Midwest Symposium on , Volume: 1 , 8-11 Aug. 2000

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**8 A new VLSI architecture without global broadcast for 2-D digital filters***Lan-Da Van; Chih-Chun Tang; Shing Tenqchen; Wu-Shing Feng;*

Circuits and Systems, 2000. Proceedings. ISCAS 2000 Geneva. The 2000 IEEE International Symposium on , Volume: 1 , 28-31 May 2000

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**9 Rationality of restricted re-quantization for efficient MPEG transcoding***Kadono, S.; Etoh, M.; Yokoya, N.;*

Image Processing, 2000. Proceedings. 2000 International Conference on , Volume: 1 , 10-13 Sept. 2000

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**10 A low-voltage micropower asynchronous multiplier for a multiplierless FIR filter***Chien-Chung Chua; Bah-Hwee Gwee; Chang, J.S.;*

Circuits and Systems, 2003. ISCAS '03. Proceedings of the 2003 International Symposium on , Volume: 5 , 25-28 May 2003

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**11 An adaptive split-and-merge method for smoothing and compression of image contours***Xiao, Y.; Ju Jia Zou; Yan, H.;*

Signal Processing and Its Applications, 1999. ISSPA '99. Proceedings of the Fifth International Symposium on , Volume: 1 , 22-25 Aug. 1999

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*Belcher, R.A.;*

Advanced A-D and D-A Conversion Techniques and their Applications, 1994. Second International Conference on , 6-8 Jul 1994

Pages:153 - 158

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### 2 Effectiveness of various dithering architectures for linearisation of high-resolution oversampling A/D converters

*Badzmirowski, K.; Jackiewicz, B.;*

Advanced A/D and D/A Conversion Techniques and their Applications, 1999. Third International Conference on (Conf. Publ. No. 466) , 27-28 July 1999

Pages:175 - 178

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### 3 The application of dither in high speed and high resolution ADC

*Zhang Qingmin; An Qi; Wu Yibao; Liu Shubin; Wang Yanfang;*

Intelligent Control and Automation, 2000. Proceedings of the 3rd World Congress on , Volume: 4 , 28 June-2 July 2000

Pages:2723 - 2727 vol.4

[\[Abstract\]](#)
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### 4 Simulation results on A/D converter dithering

*Wagdy, M.F.;*

Instrumentation and Measurement Technology Conference, 1998. IMTC/98. Conference Proceedings. IEEE , Volume: 1 , 18-21 May 1998

Pages:78 - 83 vol.1

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**5 Effect of various dither forms on quantization errors of ideal A/D converters**

*Wagdy, M.F.;*

Instrumentation and Measurement, IEEE Transactions on , Volume: 38 , Issue: 4 , Aug. 1989

Pages:850 - 855

[\[Abstract\]](#) [\[PDF Full-Text \(332 KB\)\]](#) IEEE JNL

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**6 Efficient dithering of sigma-delta modulators with adaptive bit flipping**

*Magrath, A.J.; Sandler, M.B.;*

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**7 Application of deterministic dither signals in digital voltmeter with sigma-delta oversampled A/D converter**

*Badzmirowski, K.; Jackiewicz, B.;*

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Proceedings of the 16th IEEE , Volume: 3 , 24-26 May 1999

Pages:1659 - 1662 vol.3

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*Wagdy, M.F.; Goff, M.;*

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**9 A rapid dither algorithm advances A/D converter testing**

*Weimer, J.; Baade, K.; Fitzsimmons, J.; Lowe, B.;*

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**10 A/D converters nonlinearity measurement and correction by frequency analysis and dither**

*Adamo, F.; Attivissimo, F.; Giaquinto, N.; Trotta, A.;*

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Pages:1200 - 1205

[\[Abstract\]](#) [\[PDF Full-Text \(314 KB\)\]](#) IEEE JNL

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**11 Dynamic-range enhancement of an optimized 1-bit A/D converter**

*Tapang, G.; Saloma, C.;*

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Pages:42 - 47

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*Kollar, I.;*

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**13 Analysis of roughly quantized Gaussian signals**

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Pages:1167 - 1171 vol.2

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**14 Bitwise random number generator improvement of stochastic A/D conversion**

*Antic, B.M.; Narandzic, M.;*

Circuits and Systems, 1999. 42nd Midwest Symposium on , Volume: 1 , 8-11 Aug. 1999

Pages:198 - 200 vol. 1

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**15 Effects of noise dither signals on differential linearity and effective resolution of sigma-delta A/D converters in measuring applications**

*Badzmirowski, K.; Jackiewicz, B.;*

Instrumentation and Measurement Technology Conference, 1998. IMTC/98. Conference Proceedings. IEEE , Volume: 2 , 18-21 May 1998

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